WHAT IS CLAIMED IS:

1. 1.    An image data processing method for making it possible to read image data acquired by different types of image data acquisition means and processing the read image data so as to provide an optimum output result, said image data processing method comprising the steps of:

presetting image data processing contents considering processing operation characteristics of the image data acquisition means assigned the identification information in response to identification information assigned for identifying the different types of image data acquisition means;

reading the image data provided by one image data acquisition means as image data to be processed;

determining which image data acquisition means the image data to be processed is acquired by according to the identification information;

selecting the image data processing contents corresponding to the determination result in response thereto; and

processing the image data to be processed so as to provide the optimum output result in accordance with the selected image data processing contents.

2.    The image data processing method as claimed in claim 1, wherein the identification information assigned for identifying the different types of image data acquisition means is model names

4    assigned to the image data acquisition means.


1    3.    The image data processing method as claimed in claim 1,

2    wherein the image data processing contents are at least one of image

3    correction processing contents for making a correction to an image

A  4    and image scaling processing contents for enlarging and reducing
                                                                    *or*

5    an image,

6        wherein the image correction processing contents include

7    color correction processing, brightness correction processing,

8    contrast correction processing, color saturation correction

9    processing, noise removal processing, smoothing processing, and

10   contour correction processing, at least one correction processing

11   of which is performed, and

12       wherein the image scaling processing contents are to perform

13   image scaling processing set based on a resolution of the image

14   data acquisition means.


1    4.    The image data processing method as claimed in claim 3,

2    wherein the image data to be processed is image data on a record

3    medium recording the image data acquired by the image data

4    acquisition means and

5        wherein the identification information is information

6    existing together with the image data recorded on the record medium.


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1   5.    The image data processing method as claimed in claim 3,

2   wherein the image data to be processed is image data transferred

3   through communication means from the image data acquisition means

4   and

         wherein the identification information is information

6   existing together with the image data transferred through the

7   communication means.

1   6.    An image data print apparatus for making it possible to read

2   image data acquired by different types of image data acquisition

3   means, processing the read image data so as to provide an optimum

4   output result, and printing the processed image data, said image

5   data print apparatus comprising:

6       an image data read section capable of reading image data

7   acquired by different types of image data acquisition means as image

8   data to be processed;

9       a model determination section for determining which image

10   data acquisition means the image data acquisition means is from

11   identification information assigned for identifying the different

12   types of image data acquisition means;

13       an image data processing content storage section for storing

14   image data processing contents considering the processing

15   operation characteristics of the image data acquisition means

16   assigned the identification information in response to the

17   identification information assigned for identifying the different

18   types of image data acquisition means;

19        an image data processing section for receiving the

20   determination result from said model determination section,

21   selecting the image data processing contents corresponding to the

22   determination result out of said image data processing content

23   storage section, and executing the image data processing contents;

24   and

25        a print processing section for performing print processing

26   of the image data processed by said image data processing section.


1    7.    The image data print apparatus as claimed in claim 6, wherein

2    the identification information assigned for identifying the

3    different types of image data acquisition means is model names

4    assigned to the image data acquisition means.


1    8.    The image data print apparatus as claimed in claim 6, wherein

2    the image data processing contents executed by said image data

3    processing section are at least one of image correction processing

4    contents for making a correction to an image and image scaling

5    processing contents for enlarging and reducing an image,

6        wherein the image correction processing contents include

7    color correction processing, brightness correction processing,

8    contrast correction processing, color saturation correction

9    processing, noise removal processing, smoothing processing, and

10   contour correction processing, at least one correction processing

11    of which is performed, and

12         wherein the image scaling processing contents are to perform

13    image scaling processing set based on a resolution of the image

14    data acquisition means.


1     9.    The image data print apparatus as claimed in claim 8, wherein

2     the image data to be processed, read by said image data read section

3     is image data on a record medium recording the image data acquired

4     by the image data acquisition means and

5          wherein the identification information is information

6     existing together with the image data on the record medium.


1     10.   The image data print apparatus as claimed in claim 8, wherein

2     the image data to be processed, read by said image data read section

3     is image data transferred through communication means from the

4     image data acquisition means and wherein the identification

5     information is information existing together with the image data

6     transferred through the communication means.


1     11.   A record medium recording an image data processing program

2     for making it possible to read image data acquired by different

3     types of image data acquisition means, processing the read image

4     data so as to provide an optimum output result, and printing the

5     processed image data, said image data processing program comprising

6     the steps of:

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7      reading image data acquired by one image data acquisition

8   means as image data to be processed;

9      determining which image data acquisition means the image data

10  acquisition means is from identification information assigned for

11  identifying the different types of image data acquisition means;

12  and

13      receiving the determination result as to which image data

14  acquisition means the image data acquisition means is, selecting

15  the image data processing contents considering the processing

16  operation characteristics of the image data acquisition means, and

17  performing image data processing responsive to the image data

18  processing contents.


1   12.   The record medium recording the image data processing program

2   as claimed in claim 11, wherein the identification information

3   assigned for identifying the different types of image data

4   acquisition means is model names assigned to the image data

5   acquisition means.


1   13.   The record medium recording the image data processing program

2   as claimed in claim 11, wherein the image data processing contents

3   are at least either of image correction processing contents for

4   making a correction to an image and image scaling processing

5   contents for enlarging or reducing an image, and

6      wherein the image correction processing contents include

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7     color correction processing, brightness correction processing,

8     contrast correction processing, color saturation correction

9     processing, noise removal processing, smoothing processing, and

10    contour correction processing, at least one correction processing

11    of which is performed, and

12        wherein the image scaling processing contents are to perform

13    image scaling processing set based on a resolution of the image

14    data acquisition means.


1    14.    The record medium recording the image data processing program

2    as claimed in claim 13, wherein the image data to be processed is

3    image data on a record medium recording the image data acquired

4    by the image data acquisition means and

5        wherein the identification information is information

6    existing together with the image data recorded on the record medium.


1    15.    The record medium recording the image data processing program

2    as claimed in claim 13, wherein the image data to be processed is

3    image data transferred through communication means from the image

4    data acquisition means and

5        wherein the identification information is information

6    existing together with the image data transferred through the

7    communication means.

FIG. 3

S1  READ IMAGE DATA FILE

S2  ACQUIRE MODEL NAME

S3  DETERMINE MODEL

5  S4  PERFORM PROCESSING BASED ON IMAGE DATA PROCESSING CONTENTS

CORRESPONDING TO MODEL A

S5  PERFORM PROCESSING BASED ON IMAGE DATA PROCESSING CONTENTS

CORRESPONDING TO MODEL B

S6  PERFORM PROCESSING BASED ON IMAGE DATA PROCESSING CONTENTS

10  CORRESPONDING TO MODEL C

S7  PERFORM PRINT PROCESSING

FIG. 4A

(MODEL A)

S41  PERFORM EDGE ENHANCEMENT PROCESSING

15  S42  COLOR SATURATION = COLOR SATURATION +5

S43  SELECT BI CUBIC GENERAL AS RESIZING METHOD

S44  RESIZE

TO PRINT PROCESSING

FIG. 4B

20  (MODEL B)

S51  BRIGHTNESS = BRIGHTNESS +10

S52  CONTRAST = CONTRAST +7

S53  SELECT ALGORITHM FOR MODEL B AS RESIZING METHOD

S54  RESIZE

25  TO PRINT PROCESSING

FIG. 4C

(MODEL C)

S61  RED = RED +3

S62  COLOR SATURATION = COLOR SATURATION +5

S63  SELECT BI CUBIC GENERAL AS RESIZING METHOD

S64  RESIZE

TO PRINT PROCESSING